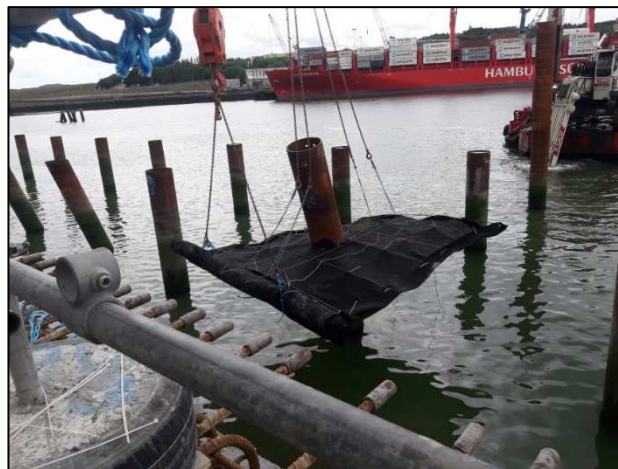


Port of Cork, Ireland Marine Erosion Control – HPS6



Port of Cork, Ringaskiddy Geofabrics HPS6

Geofabrics HPS6 has been successfully installed below water by BAM Civil Ltd as part of their works at the Port of Cork.

The new terminal will provide a 360m quay enabling larger ships to berth in Ringaskiddy, accommodating current and future container shipping.

Geofabrics HPS6 is a thick needlepunched nonwoven geotextile manufactured from 100% virgin polypropylene high tenacity fibres containing 1% active carbon black. The main function of HPS6 is to prevent loss of the sub-soil from below the rock armour. The geotextile provided a suitable apparent opening size allowing adequate filtration whilst allowing enough permeability. Its high tensile elongation and CBR provided a robust solution capable of withstanding the rock impact during installation and future movement.

Project Information

Location	Port of Cork, Ringaskiddy, Co Cork, Ireland.
Product	HPS6 Geotextile (6m x 130/150m)
Contractor	BAM Civil Ltd
Installation Date	October 2018 - October 2019

To save time during the installation shorter rolls were provided to reduce joints and minimise waste. Additionally, as the textile was being placed below water, a rebar frame was attached to the textile allowing it to be mechanically lowered into place. This avoided the requirement for divers saving time and cost whilst negating any associated risk.

The **benefits** of using Geofabrics HPS6:

- **Easy installation** – 6m wide rolls
- **Manufactured for performance** – high tenacity fibre
- **Bespoke roll length** – minimising joints
- **Isotropic properties** – strength in all directions
- **High tensile elongation** – sufficient stretch during rock placement
- **Puncture resistance** – manufactured to CBR value considering rock weight, drop height and factor of safety
- **UV Stabilised** – active carbon black
- **100 years durability**
 - 100% virgin polypropylene fibres
 - Chemically resistant to sea water
 - Mechanically resistant to tidal cyclic loading

For more information on our Coastal Products
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